

IN THE CLAIMS

1. (Currently Amended) A computer implemented method for identifying objects referenced in a stream of text, the method comprising:  
  
receiving an incoming stream of text comprised of words;  
  
consulting a semantic network to automatically identify one or more word patterns in the incoming stream of text, such that each word in the incoming stream is searched once in the semantic network; and  
  
referencing a known object within the semantic network, the known object identified by a word pattern of the semantic network.
2. (Previously presented) The method of claim 1, further comprising loading the semantic network substantially entirely into a common RAM memory space of a processor and wherein the step of consulting the semantic network is conducted by consulting the semantic network within the RAM memory.
3. (Original) The method of claim 1, further comprising dividing the stream of text into a plurality of threads and conducting the step of consulting a semantic network concurrently for words in each of the plurality of threads and further comprising examining groups of words spread over adjacent threads at the boundaries of the threads for word patterns.
4. (Original) The method of claim 1, wherein consulting a semantic network further comprises consulting a semantic network of recognized words and patterns of words in a hierarchical order moving from identified nodes to related nodes linked with the identified nodes.

5. (Original) The method of claim 1, wherein consulting a semantic network further comprises examining words in the stream of text in a sequential order as the words are received and formatting the stream of text to represent identified objects without persistently storing the stream of text.

6. (Original) The method of claim 1, further comprising tokenizing the stream of text into individual words, and wherein the step of consulting a semantic network further comprises analyzing each word in order of occurrence in the stream of text by comparing the individual words to identified words in the semantic network.

7. (Original) The method of claim 6, wherein the step of consulting a semantic network further comprises finding a match between an individual word in the stream of text and an identified word in the semantic network and comparing the individual word and an adjacent word of the stream of text to a word pattern in the semantic network.

8. (Original) The method of claim 6, wherein the step of consulting a semantic network further comprises continually adding words of the stream of text to recognized word patterns and comparing the result to other word patterns in the semantic network until no more word patterns containing the individual word are located.

9. (Original) The method of claim 1, further comprising presenting the identified known objects to a user.

10. (Original) The method of claim 9, wherein presenting the identified known objects to a user further comprises providing links between identified word patterns in the stream of text and objects in a knowledge base to which the word patterns identify.

11. (Original) The method of claim 10, wherein providing links between identified word patterns in the stream of text and objects in a knowledge base comprises displaying the word patterns corresponding to an object as a URL, the URL leading to information related to the object.

12. (Currently Amended) A method for identifying objects referenced in a stream of text, the method comprising:

loading a semantic network substantially entirely into a common RAM memory space of a processor, the semantic network comprised of recognized words and patterns of words in a hierarchical order;

receiving an incoming stream of text comprised of words;

tokenizing the stream of text into individual words;

examining the individual words in the stream of text in a sequential order as the words are received by consulting the semantic network within the RAM memory to automatically identify one or more word patterns in the incoming stream of text, such that each word in the incoming stream is searched once in the semantic network in the order that the individual words are received examining the individual words comprising:

finding a match between an individual word in the stream of text

and an identified word in the semantic network and comparing the individual word and an adjacent word of the stream of text to a word pattern in the semantic network, and

continually adding words of the stream of text to recognized word patterns and comparing the result to other word patterns in the semantic network until no more word patterns containing the individual word are located;

referencing a known object within the semantic network, the known object

identified by a word pattern of the semantic network; and

formatting the stream of text to represent identified objects without persistently storing the stream of text.

13. (Currently Amended) A system for identifying objects referenced in a stream of text, the system comprising:

an input pipeline configured to receive an incoming stream of text comprised of words;

a text analysis module configured to consult a semantic network to automatically identify one or more word patterns in the incoming stream of text, such that each word in the incoming stream is searched once in the semantic network; and

an object association module configured to reference a known object within the semantic network, the known object identified by a word pattern of the semantic network.

14. (Previously presented) The system of claim 13, wherein the semantic network is configured to be loaded substantially entirely into a common RAM memory space of a processor, and wherein the text analysis module is configured to consult the semantic network within the RAM memory.

15. (Original) The system of claim 13, wherein the input pipeline is further configured to divide the stream of text into a plurality of threads such that the semantic network may be consulted concurrently for words in each of the plurality of threads.

16. (Original) The system of claim 13, further comprising a word pattern comparison module configured to consult the semantic network in a hierarchical order moving from identified nodes to related nodes linked with the identified nodes.

17. (Original) The system of claim 13, wherein the text analysis module is further configured to examine words in the stream of text in a sequential order as the words are received and format the stream of text to represent identified objects without persistently storing the stream of text.

18. (Original) The system of claim 13, wherein the text analysis module is further configured to break the stream of text into individual words, and to analyze each word in an order of occurrence of the word in the stream of text by comparing the individual words to identified words in the semantic network.

19. (Original) The system of claim 18, wherein the text analysis module is configured to, upon finding a match between an individual word in the stream of text and an identified word

in the semantic network, compare the individual word and an adjacent word of the stream of text to a word pattern in the semantic network.

20. (Original) The system of claim 18, wherein the text analysis module is configured to continually add words of the stream of text to recognized word patterns and compare the result to other word patterns in the semantic network until no more word patterns are located.

21. (Original) The system of claim 13, further comprising a compilation module configured to present the identified known objects to a user.

22. (Original) The system of claim 21, wherein the compilation module is configured to present the identified known objects to a user by providing links between identified word patterns in the stream of text and objects in a knowledge base to which the word patterns identify.